

## Goat anti-NELL2 Antibody

<b>Item Number</b>	dAP-3123
<b>Target Molecule</b>	Principle Name: NELL2; Official Symbol: NELL2; All Names and Symbols: NELL2; NEL-like 2 (chicken); NRP2; NEL-like protein 2; NEL-related protein 2; neural epidermal growth factor-like 2; protein kinase C-binding protein NELL2; Accession Number (s): NP_001138579.1; NP_006150.1; NP_001138581.1; NP_001138582.1; Human Gene ID(s): 4753; Non-Human GeneID(s): 54003 (mouse) 81734 (rat)
<b>Immunogen</b>	DPCQADTIRNDITKT, is from internal region (near C terminus) This antibody is expected to recognize all reported isoforms (NP_001138579.1; NP_006150.1; NP_001138581.1; NP_001138582.1). Reported variants represent identical protein: NP_001138580.1,
<b>Applications</b>	Pep ELISA  Species Tested:
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 64000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave an approx 80kDa band in Human Brain (cortex and hippocampus) lysates after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the
<b>IHC</b>	
<b>Reference</b>	Reference(s): Kahle JJ, Gulbahce N, Shaw CA, Lim J, Hill DE, Barabási AL, Zoghbi HY. Comparison of an expanded ataxia interactome with patient medical records reveals a relationship between macular degeneration and ataxia. Hum Mol Genet. 2011 Feb 1;20(3):510-27..PMID: 21078624->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**